



Answers



وضع هدفك الحقيقي
هو نصف تحقيقه

أربعة نماذج لاختبار نهاية الفصل الأول
للفيف الخامس المسار العام

٢٠٢٦-٢٠٢٥

Ms. Mariam Alnaqbi

الطلاب:

الفيف والشعبة:



بينك وبين النجاح

ثلاث خطوات

- طموح

- ايمان بنفسك

- سعي واجتهاد

1942

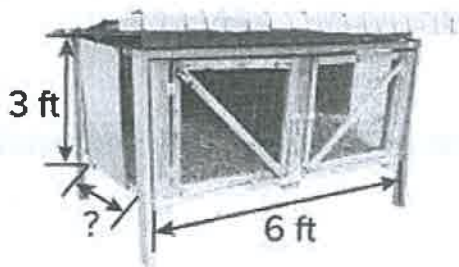
Math Mock Exam Term – 1_2025-2026

Part – 1

Q.1

The volume of this rabbit hutch is 36 cubic feet
What is the width? Show your work.

[6 Marks]



$$\begin{aligned} V &= L \times W \times h \\ 36 &= 6 \times W \times 3 \\ 36 &= 18 \times W \\ W &= 36 \div 18 = 2 \text{ ft} \end{aligned}$$

$$\begin{array}{r} 18 \overline{) 36} \\ \underline{- 18} \\ 18 \\ \underline{- 18} \\ 00 \end{array} \quad \begin{array}{l} 1 \\ 1 \\ 2 \end{array}$$

$$\begin{array}{r} 2 \overline{) 36} \\ \underline{- 18} \\ 18 \\ \underline{- 18} \\ 00 \end{array}$$

Q.2

(a) Write the following number in expanded form.

[3 Marks]



Expanded form:

$$\begin{aligned} 30 + 4 + 0.6 + 0.01 + 0.008 \\ 30 + 4 + \frac{6}{10} + \frac{1}{100} + \frac{8}{1000} \end{aligned}$$

(b) Use the cost of each school supply answer the following questions
[5 Marks]



(i) Do the pencils or highlighters cost more?

Highlighters

pencils $\textcircled{<}$ Highlighters
1.47 $\textcircled{<}$ 1.90

(ii) Write a comparison statement for the cost of the pens and the pencils

1.15 $\textcircled{<}$ 1.47
pens $\textcircled{<}$ pencils

pencils is more

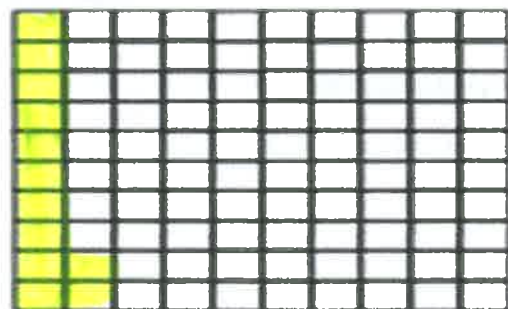
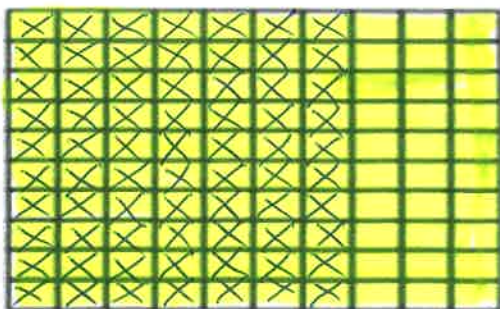
(iii) Which school supply is the most expensive? Which school supply is the least expensive? Explain how you know

most expensive = Highlighters
Least expensive = pens.

Q.3 Use the decimal grid to solve

[6 Marks]

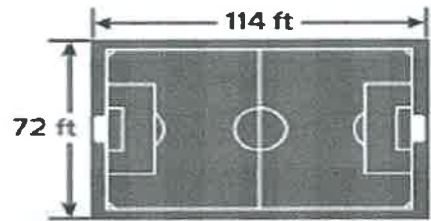
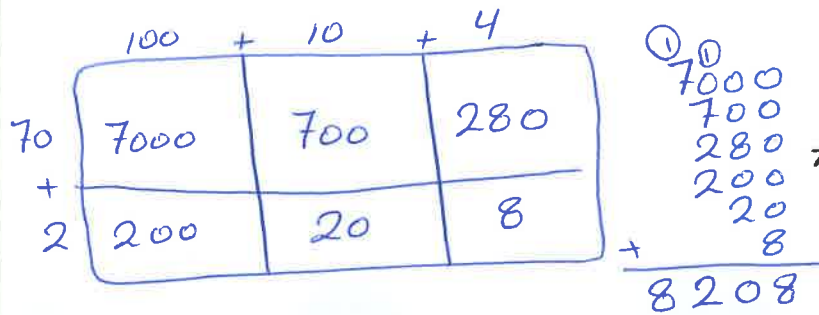
$$1.12 - 0.7 = \underline{0.42}$$



Q.4

Determine the area of given football ground.
Use an area model.

[7 Marks]



$$114 \times 72 = 8208 \text{ ft}^2$$

Q.5

(a) Find the value

[6 Marks]

What is the product? Explain the strategy you used to solve.

1. $2.9 \times 0.7 = d$

$$(0.7 \times 2) + (0.7 \times 0.9)$$

$$1.4 + 0.63 = 2.03$$

$$\begin{array}{r} 1.4 \\ + 0.63 \\ \hline 2.03 \end{array}$$

$$\begin{array}{r} 56 \\ \times 32 \\ \hline 112 \\ 1680 + \\ \hline 1792 \end{array}$$

2. $5.6 \times 3.2 = b$

b) What is the quotient? Use partial quotient to solve.

$$3432 \div 66 = 52$$

$$\begin{array}{r} 2 \quad 13 \quad 13 \\ 66 \overline{) 3432} \\ \underline{2640} \quad 40 \\ 792 \\ \underline{660} \quad 10 \\ 132 \\ \underline{66} \quad 1 \\ 66 \\ \underline{66} \\ 00 \quad 52 \end{array}$$

$$\begin{aligned} 6 \times 1 &= 6 \\ 6 \times 2 &= 12 \\ 6 \times 3 &= 18 \\ 6 \times 4 &= 24 \\ 6 \times 5 &= 30 \\ 6 \times 6 &= 36 \\ 6 \times 7 &= 42 \\ 6 \times 8 &= 48 \\ 6 \times 9 &= 54 \\ 6 \times 10 &= 60 \end{aligned}$$

$$\begin{array}{r} 66 \\ \times 4 \\ \hline 264 \end{array}$$

Part -2

Q.6 Which of the figure has the volume?

[4 Marks]

A		B		C		D	
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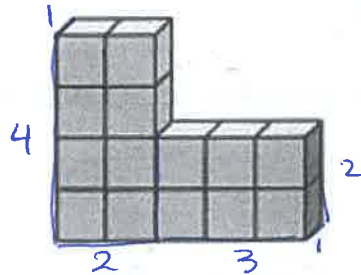
Q.7 What is the volume of the figure .

[4 Marks]

$$V = 2 \times 4 \times 1 = 8$$

$$V = 3 \times 1 \times 2 = 6$$

$$8 + 6 = 14$$



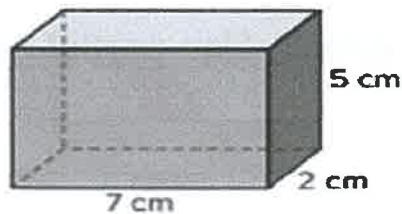
A	18 cubic in	B	14 cubic in	C	20 cubic in	D	12 cubic in
----------	-------------	----------	-------------	----------	-------------	----------	-------------

Q.8 What is the volume of the figure

[4 Marks]

$$V = 2 \times 5 \times 7$$

$$= 10 \times 7 = 70$$



12 cubic units	B	26 cubic units	C	24 cubic units	D	70 cubic units cm^2
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Q.9 Which of the following statements is true?

[4 Marks]

A	0.009 is ten times 0.09
B	0.09 is ten times 0.009
C	0.09 is $\frac{1}{10}$ of 0.009
D	9 is $\frac{1}{10}$ of 0.9

Q.10 Write in standard form.

$$0.9 + 0.03 + 0.007 = 0.937$$

[4 Marks]

A	937	B	9.37	C	0.937	D	93.7
----------	-----	----------	------	----------	-------	----------	------

Q.11 Danica rounded a number to the nearest tenth to get 14.7. What number could she have rounded to get this answer?
[4 Marks]

A	14.62	B	14.73	C	14.07	D	14.75
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Q.12 What is a reasonable estimate?

[4 Marks]

$$9.86 + 4.3$$

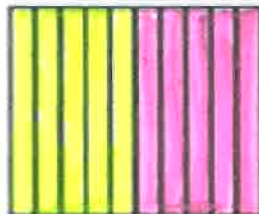
$$10 + 4 = 14$$

A	14.16	B	14	C	6	D	4.29
----------	-------	----------	----	----------	---	----------	------

Q.13 What is the sum? Use the decimal grids. [4 Marks]

$$0.5 + 0.8 = \dots\dots\dots$$

$$\begin{array}{r} 0.5 \\ + 0.8 \\ \hline 1.3 \end{array}$$



- | | | | |
|-------------|---------------|--------------|----------------|
| A 13 | B 0.13 | C 1.3 | D 0.013 |
|-------------|---------------|--------------|----------------|

Q.14 Add [4 Marks]

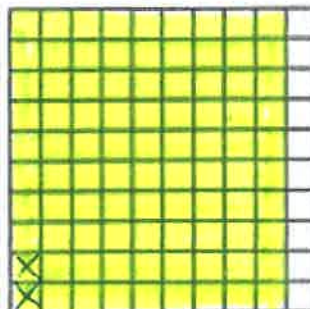
$$2.57 + 8.4 = \dots\dots\dots$$

$$\begin{array}{r} 2.57 \\ + 8.4 \\ \hline 10.97 \end{array}$$

- | | | | |
|----------------|----------------|---------------|---------------|
| A 10.61 | B 10.97 | C 6.17 | D 2.78 |
|----------------|----------------|---------------|---------------|

Q.15 What is the difference ? Use the decimal grids [4 Marks]

$$0.9 - 0.02 = \dots\dots\dots$$



- | | | | |
|--------------|---------------|---------------|--------------|
| A 0.7 | B 0.88 | C 0.07 | D 8.8 |
|--------------|---------------|---------------|--------------|

Q.16 Subtract [4 Marks]

$$7.73 - 5.1 = \dots\dots\dots$$

$$\begin{array}{r} 7.73 \\ - 5.1 \\ \hline 2.63 \end{array}$$

- | | | | |
|----------------|---------------|---------------|---------------|
| A 12.83 | B 2.72 | C 2.36 | D 2.63 |
|----------------|---------------|---------------|---------------|

Q.17	Which expression or value is equivalent to 10^4 ?						[4 Marks]
A	1000	B	10000	C	100	D	100000

Q.18	What is the product of 23×10^3 ?						[4 Marks]
A	2300	B	230	C	23000	D	230000

Q.19	[4 Marks] $\begin{array}{r} 249 \\ \times 24 \\ \hline 996 \\ + 4980 \\ \hline 5976 \end{array}$ A sporting goods store sold 24 mountain bikes. How much money did they make selling bikes? 249×24 						
A	5976	B	2,000	C	4000	D	3562

Q.20	estimate the product						[4 Marks]
	$643 \times 18 = \dots\dots\dots$ $600 \times 20 = 12\,000$						
A	1400	B	120	C	1200	D	12000

Q.21	Find the value						
	$3.6 \times 10^2 = \dots\dots\dots$ $3.6 \times 10 \times 10 = 360$						
A	3600	B	360	C	36	D	36000

Q.22

Tonya cuts 0.4 meter of ribbon for each gift she wraps. She wraps 6 gifts. How much ribbon does Tonya use?

$$6 \times 0.4 = 2.4$$

[4 Marks]

A	1.2	B	24	C	0.24	D	2.4
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Q.23

What is the product ?

[4 Marks]

$$14 \times 2.3 = 32.2$$

$$\begin{array}{r} 14 \\ \times 23 \\ \hline 42 \\ 280 \\ \hline 322 \end{array}$$

A	32.2	B	322	C	320	D	246
---	------	---	-----	---	-----	---	-----

Q.24

What is the product ?

[4 Marks]

$$45 \times 17 = 765$$

$$45 \times 1.7 = 76.5$$

A	7.65	B	765	C	76.5	D	0.765
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Q.25

Find the quotient ?

[4 Marks]

$$20000 \div 40 = 500$$

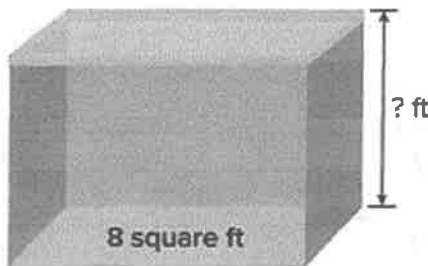
A	5	B	50	C	500	D	5000
---	---	---	----	---	-----	---	------

Math Mock Exam Term – 1_2025-2026

Part – 1

Q.1 A fish tank has a volume of 24.

What is the height of the fish tank? Show your work. [6 Marks]



$$V = B \times h$$

$$24 = 8 \times h$$

$$h = 24 \div 8 = 3 \text{ ft}$$

Q.2

(a)

[3 Marks]

What is the standard form of the decimal?

1) $0.9 + 0.03 + 0.07$

0.937

2) $5 + 0.01 + 0.009$

5.019

b) Write a comparison statement.

[3 Marks]



3.281 kg



3.9 kg

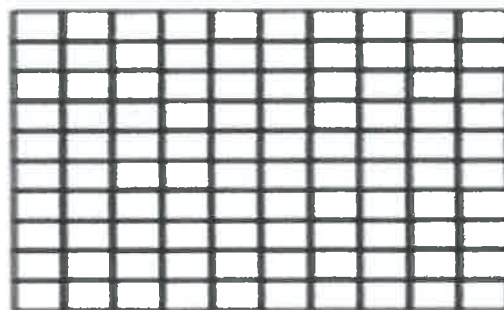
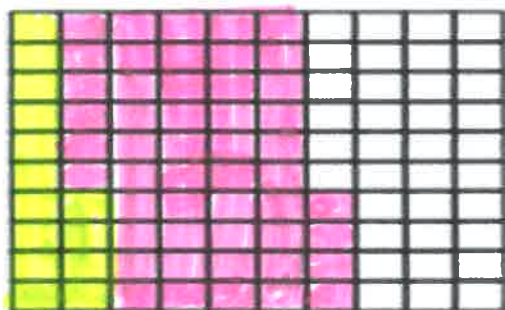
$$3.281 < 3.9$$

Q.3 Use the decimal grid to solve

[6 Marks]

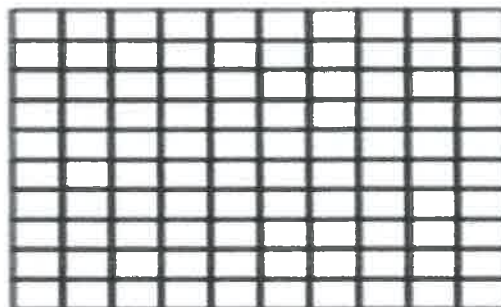
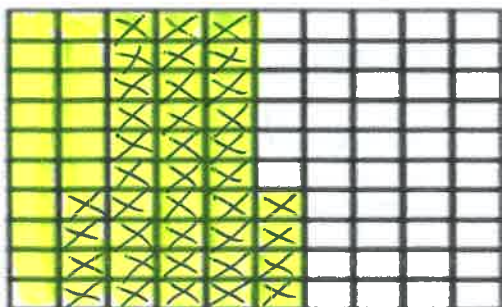
(a) $0.14 + 0.5 = \underline{0.64}$

$$\begin{array}{r} 0.14 \\ + 0.5 \\ \hline 0.64 \end{array}$$



(b) $0.54 - 0.38 = \underline{0.16}$

$$\begin{array}{r} 0.54 \\ - 0.38 \\ \hline 0.16 \end{array}$$



Q.4 Complete the area model. Then solve.

[7 Marks]

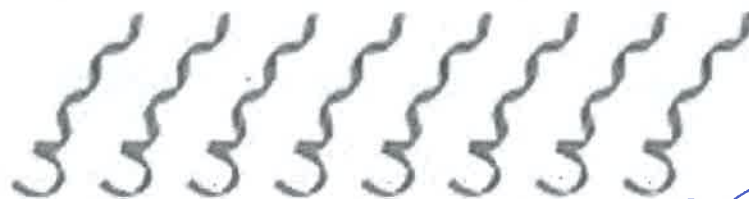
	100	+	50	+	4
30	3,000		1500		120
+					
6	600		300		24

$$\begin{array}{r}
 \textcircled{1} 3000 \\
 1500 \\
 600 \\
 120 \\
 300 \\
 24 \\
 \hline
 5544
 \end{array}$$

$$154 \times 36 = 5544$$

Q.5

Rebecca cut these ribbons to the same length. How much ribbon did Rebecca use in all?



0.86 m

$$0.86 \times 8 = 6.88\text{m}$$

$$\begin{array}{r}
 \textcircled{4} 86 \\
 \times 8 \\
 \hline
 688
 \end{array}$$

or

$$\begin{array}{r}
 \textcircled{6} \textcircled{4} \\
 0.86 \\
 0.86 \\
 0.86 \\
 0.86 \\
 0.86 \\
 0.86 \\
 0.86 \\
 0.86 \\
 \hline
 6.88
 \end{array}$$

[6 Marks]

b) What is the quotient? Use partial quotient to solve.

$$819 \div 39 = 21$$

$$\begin{array}{r} 39 \overline{) 819} \\ \underline{390} 10 \\ 349 10 \\ \underline{390} 1 \\ 39 1 \\ \underline{39} 21 \\ 00 \end{array}$$

$$\begin{aligned} 3 \times 1 &= 3 \\ 3 \times 2 &= 6 \\ 3 \times 3 &= 9 \\ 3 \times 4 &= 12 \\ 3 \times 5 &= 15 \\ 3 \times 6 &= 18 \\ 3 \times 7 &= 21 \\ 3 \times 8 &= 24 \\ 3 \times 9 &= 27 \\ 3 \times 10 &= 30 \end{aligned}$$

Part -2

Q.6 To fill the flowerpot with soil, you are measuring

[4 Marks]



A	Area	B	Length	C	Width	D	Volume
---	------	---	--------	---	-------	---	--------

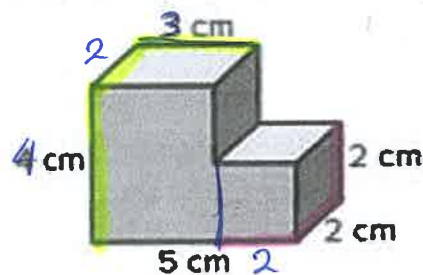
Q.7 What is the volume of the figure .

[4 Marks]

$$V = 3 \times 2 \times 4 = 6 \times 4 = 24$$

$$V = 2 \times 2 \times 2 = 4 \times 2 = 8$$

$$V = 24 + 8 = 32$$



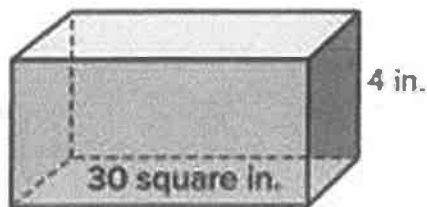
A	32 cubic in	B	14 cubic in	C	20 cubic in	D	12 cubic in
---	-------------	---	-------------	---	-------------	---	-------------

Q.8 What is the volume of the figure

[4 Marks]

$$V = B \times h$$

$$= 30 \times 4 = 120 \text{ in}^3$$



- | | | | | | | | |
|----------|----------------|----------|-----------------|----------|----------------|----------|----------------|
| A | 12 cubic units | B | 120 cubic units | C | 34 cubic units | D | 70 cubic units |
|----------|----------------|----------|-----------------|----------|----------------|----------|----------------|

Q.9 Which of the following statements is true?

[4 Marks]

A 0.003 is ten times 0.03

B 0.03 is ten times 0.003

C 0.03 is $\frac{1}{10}$ of 0.003

D 3 is $\frac{1}{10}$ of 0.3

Q.10 Write in standard form.

$$20 + 0.7 + 0.08 + 0.006 = 20.786$$

[4 Marks]

- | | | | | | | | |
|----------|--------|----------|-------|----------|-------|----------|------|
| A | 20.786 | B | 2.786 | C | 2.766 | D | 93.7 |
|----------|--------|----------|-------|----------|-------|----------|------|

Q.11 What is 98.17 rounded to nearest tenth?

[4 Marks]

98.2

- | | | | | | | | |
|----------|-------|----------|-------|----------|----|----------|-------|
| A | 98.10 | B | 98.20 | C | 98 | D | 98.18 |
|----------|-------|----------|-------|----------|----|----------|-------|

Q.12 What is a reasonable estimate?

[4 Marks]

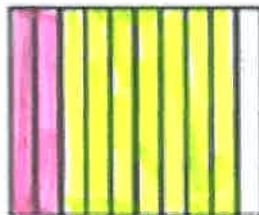
$$8.32 - 5.9$$

$$8 - 6 = 2$$

- | | | | | | | | |
|----------|------|----------|---|----------|---|----------|---|
| A | 2.42 | B | 3 | C | 2 | D | 4 |
|----------|------|----------|---|----------|---|----------|---|

Q.13 What is the sum? Use the decimal grids. [4 Marks]

$$0.2 + 0.7 = 0.9$$



☒ A 0.9

☐ B 9

☐ C 0.09

☐ D 0.27

Q.14 Add

[4 Marks]

$$6.9 + 0.31 = 7.21$$

$$\begin{array}{r} 6.9 \\ + 0.31 \\ \hline 7.21 \end{array}$$

☐ A 10

☐ B 6.40

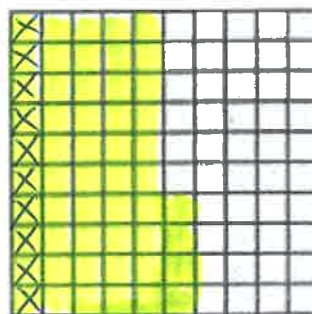
☒ C 7.21

☐ D 6.59

Q.15 What is the difference? Use the decimal grids

[4 Marks]

$$0.54 - 0.10 = 0.44$$



☐ A 0.64

☐ B 0.53

☐ C 0.55

☒ D 0.44

Q.16 Subtract

[4 Marks]

$$8.57 - 2.4 = 6.17$$

$$\begin{array}{r} 8.57 \\ - 2.4 \\ \hline 6.17 \end{array}$$

☐ A 10.61

☐ B 10.97

☒ C 6.17

☐ D 2.63

Q.17	Which expression or value is equivalent to 10^3 ? [4 Marks]					
A	1000	B	100	C	10	D 100000

Q.18	What is the product of 581×10^2 ? [4 Marks]					
A	581	B	58100	C	5.81	D 581000

Q.19	The store also sold 12 mountain bike and scooter packages each for \$367. How much money did they make? 367 × 12 = 4404 [4 Marks] ① ② 367 × 12 ----- ③ 734 ④ 3670 + ----- 4404 4486					
A	4000	B	4404	C	2568	D

Q.20	estimate the product					[4 Marks]	
$325 \times 62 = \dots\dots\dots$ $300 \times 60 = 18\,000$							
A	18000	B	1800	C	180	D	18

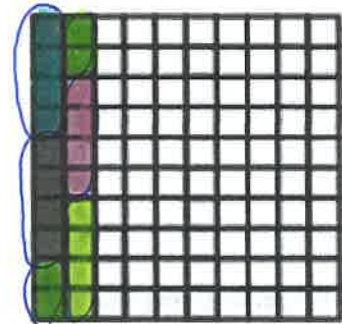
Q.21	Find the value						
$7.2 \times 10^3 = \dots\dots\dots$ $7.2 \times 10 \times 10 \times 10 = 7200$							
A	72000	B	7200	C	720	D	72

Q.22

Which equation is represented by the decimal grid?

[4 Marks]

$$5 \times 0.04 = 0.20$$



- | | | | | | | | |
|---|-----------------------|----------|------------------------|---|-----------------------|---|--------------------|
| A | $4 \times 0.5 = 0.20$ | B | $5 \times 0.04 = 0.20$ | C | $5 \times 0.4 = 0.20$ | D | $5 \times 0.4 = 2$ |
|---|-----------------------|----------|------------------------|---|-----------------------|---|--------------------|

Q.23 What is the product ? [4 Marks]

$$7.1 \times 8 = \dots 56.8 \dots$$

$$\begin{array}{r} 71 \\ \times 8 \\ \hline 568 \end{array}$$

- | | | | | | | | |
|---|------|---|-----|----------|------|---|-----|
| A | 54.8 | B | 568 | C | 56.8 | D | 246 |
|---|------|---|-----|----------|------|---|-----|

Q.24 What is the product ? [4 Marks]

$$32 \times 14 = \underline{448}$$

$$32 \times 1.4 = 44.8$$

- | | | | | | | | |
|---|------|----------|-----|---|------|---|-------|
| A | 4.48 | B | 448 | C | 4480 | D | 0.448 |
|---|------|----------|-----|---|------|---|-------|

Q.25 Find the quotient ? [4 Marks]

$$\underline{15000} \div \underline{30} = \dots 500 \dots$$

- | | | | | | | | |
|---|---|---|----|----------|-----|---|------|
| A | 5 | B | 50 | C | 500 | D | 5000 |
|---|---|---|----|----------|-----|---|------|

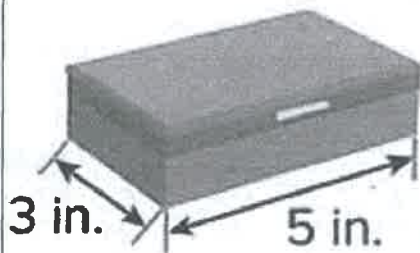
Math Mock Exam Term – 1_2025-2026

Part – 1

Q.1

A jewelry box has a volume of 30.

What is the height of the jewelry box? Show your work. [6 Marks]



$$\begin{aligned} V &= L \times W \times h \\ 30 &= 5 \times 3 \times h \\ 30 &= 15 \times h \\ h &= 30 \div 15 = 2 \text{ in} \end{aligned}$$

$$\begin{array}{r} 2 \overline{)30} \\ \underline{-15} \rightarrow 0 \\ 15 \\ \underline{-15} \rightarrow 0 \\ 00 \end{array}$$

Q.2

(a) Write the following number in standard form and expanded form. [3 Marks]

”Three and eight hundred forty-six thousandths“

Standard form:

3.846

Expanded form:

$$3 + 0.8 + 0.04 + 0.006$$

$$3 + \frac{8}{10} + \frac{4}{100} + \frac{6}{1000}$$

b) Determine whether each comparison true or false?

[3 Marks]

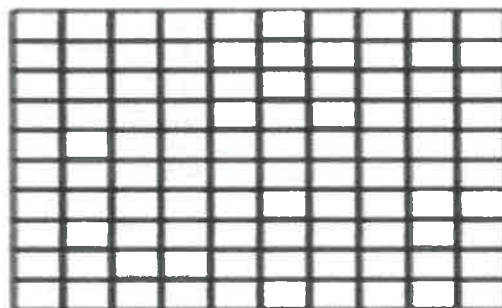
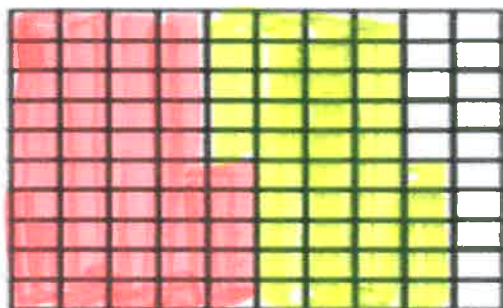
	True	False
$0.49 < 0.5$	✓	
$0.304 > 0.333$		✓
$0.019 < 0.09$	✓	
$0.08 > 0.81$		✓
$0.111 < 0.11$		✓
$0.68 = 0.068$		✓

Q.3 Use the decimal grid to solve

[6 Marks]

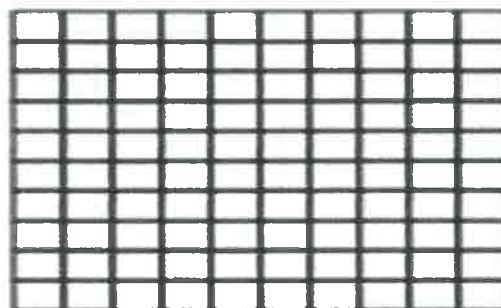
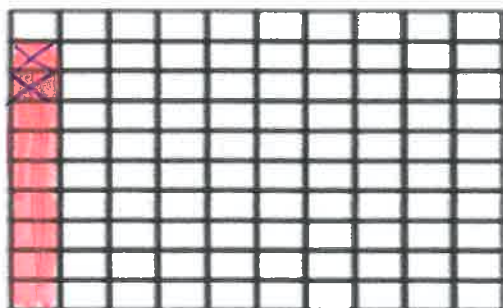
(a) $0.45 + 0.4 = \underline{0.85}$

$$\begin{array}{r} 0.45 \\ 0.40 + \\ \hline 0.85 \end{array}$$



(b) $0.09 - 0.02 = \underline{0.07}$

$$\begin{array}{r} 0.09 \\ 0.02 - \\ \hline 0.07 \end{array}$$



Q.4 What is the product? Use area model.

[7 Marks]

$$28 \times 132 = 3696$$

	100	+	30	+	2
20	2000		600		40
+					
8	800		240		16

$$\begin{array}{r}
 \textcircled{1} \quad 2000 \\
 800 \\
 600 \\
 240 \\
 40 \quad + \\
 \hline
 16 \\
 \hline
 3696
 \end{array}$$

Q.5

A pitcher has a capacity of 3.9 liters. A cooler has a capacity 9.2 times greater. What is the capacity of the cooler?

[6 Marks]

$$3.9 \times 9.2 = 35.88 \text{ L}$$

$$\begin{array}{r}
 \textcircled{2} \quad 39 \\
 \textcircled{1} \quad \times 92 \\
 \hline
 78 \\
 3510 \quad + \\
 \hline
 3588
 \end{array}$$

b) What is the quotient? Use partial quotient to solve.

$$988 \div 26 = 38$$

$$\begin{array}{r} 26 \overline{) 988} \\ \underline{- 780} 30 \\ 208 \\ \underline{- 208} 8 \\ 000 38 \end{array}$$

$$\begin{array}{r} ① \\ 26 \\ \times 3 \\ \hline 78 \end{array}$$

$$\begin{array}{r} ④ \\ 26 \\ \times 8 \\ \hline 208 \end{array}$$

$$\begin{aligned} 2 \times 1 &= 2 \\ 2 \times 2 &= 4 \\ 2 \times 3 &= 6 \\ 2 \times 4 &= 8 \\ 2 \times 5 &= 10 \\ 2 \times 6 &= 12 \\ 2 \times 7 &= 14 \\ 2 \times 8 &= 16 \\ 2 \times 9 &= 18 \\ 2 \times 10 &= 20 \end{aligned}$$

Part -2

Q.6 The distance of a bike ride?

[4 Marks]



A	Area	B	Length	C	Width	D	Volume
---	------	---	--------	---	-------	---	--------

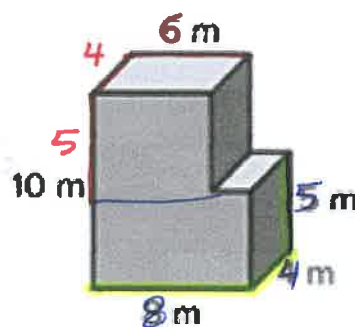
Q.7 What is the volume of the figure .

[4 Marks]

$$\begin{aligned} V &= L \times w \times h \\ &= 4 \times 5 \times 8 = 20 \times 8 = 160 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} V &= L \times w \times h \\ &= 4 \times 5 \times 6 = 20 \times 6 = 120 \text{ m}^3 \end{aligned}$$

$$V = 160 + 120 = 280 \text{ m}^3$$



A	320 cubic in	B	280 cubic in m^3	C	120 cubic in	D	160 cubic in
---	--------------	---	------------------------------	---	--------------	---	--------------

Q.8 What is the volume of the figure

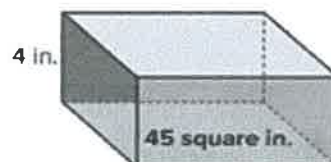
[4 Marks]

$$V = B \times h$$

$$= 45 \times 4$$

$$= 180 \text{ in}^3$$

$$\begin{array}{r} 45 \\ \times 4 \\ \hline 180 \end{array}$$



- A 90 cubic units B 120 cubic units C 180 cubic units D 70 cubic units

Q.9 Which of the following statements is true?

[4 Marks]

- A 0.2 is ten times 2
- B 0.02 is ten times 0.002
- C 0.02 is $\frac{1}{10}$ of 0.002
- D 2 is $\frac{1}{10}$ of 0.2

Q.10 Write in standard form.

$$5 + 0.01 + 0.009 = 5.019$$

[4 Marks]

- A 5.19 B 5.190 C 0.519 D 5.019

Q.11 What is 16.12 rounded to nearest tenth?

[4 Marks]

- A 16.10 B 16.20 C 16 D 16.12

Q.12 What is a reasonable estimate?

[4 Marks]

$$88.4 - 10.96$$

$$88 - 11 = 77$$

- A 77.44 B 77 C 99 D 80

Q.13 What is the sum? Use the decimal grids. [4 Marks]

$$0.5 + 0.6 = \dots 1.1 \dots$$

$$\begin{array}{r} 0.5 \\ + 0.6 \\ \hline 1.1 \end{array}$$



A 0.11

B 1.1

C 0.56

D 0.30

Q.14 Add

[4 Marks]

$$14.53 + 11.2 = \dots 25.73 \dots$$

$$\begin{array}{r} 14.53 \\ + 11.20 \\ \hline 25.73 \end{array}$$

A 4

B 3.33

C 25.73

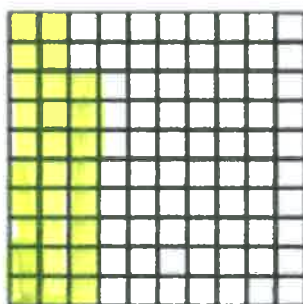
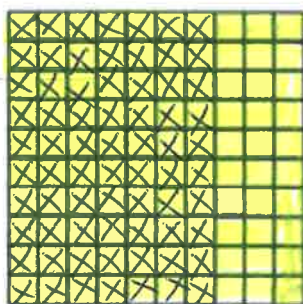
D 6.59

Q.15 What is the difference? Use the decimal grids

[4 Marks]

$$1.28 - 0.7 = \dots 0.58 \dots$$

$$\begin{array}{r} 1.28 \\ - 0.70 \\ \hline 0.58 \end{array}$$



A 1.21

B 0.58

C 0.55

D 0.44

Q.16 Subtract

[4 Marks]

$$6.31 - 0.9 = \dots$$

$$\begin{array}{r} 6.31 \\ - 0.90 \\ \hline 5.41 \end{array}$$

A 6.40

B 10.97

C 6.17

D 5.41

Q.17 Which expression or value is equivalent to 10^2 ? [4 Marks]

$$10 \times 10 = 100$$

A	102	B	120	C	100	D	1000
---	-----	---	-----	---	-----	---	------

Q.18 What is the product of 103×10^2 ? [4 Marks]

$$103 \times 10 \times 10 = 10300$$

A	103	B	10300	C	1.03	D	103000
---	-----	---	-------	---	------	---	--------

Q.19 Find [4 Marks]

$$\begin{array}{r} 222 \\ \times 58 \\ \hline \end{array}$$

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ \textcircled{1} \textcircled{1} \\ 222 \\ \times 58 \\ \hline 1776 \\ 11100 + \\ \hline 12876 \end{array}$$

A	2886	B	12876	C	2568	D	4486
---	------	---	-------	---	------	---	------

Q.20 estimate the product [4 Marks]

$$438 \times 27 = \dots\dots\dots$$

$$400 \times 30 = 12000$$

A	12000	B	120	C	1200	D	120000
---	-------	---	-----	---	------	---	--------

Q.21 Find the value

$$4.8 \times 10^2 = 4.8 \times 10 \times 10 = 480$$

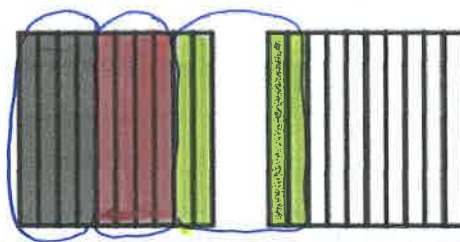
A	48000	B	4800	C	480	D	48
---	-------	---	------	---	-----	---	----

Q.22

Which equation is represented by the decimal grid?

[4 Marks]

$$3 \times 0.4 = 1.2$$



A	$3 \times 0.4 = 0.12$
----------	-----------------------

B	$3 \times 0.04 = 1.2$
----------	-----------------------

C	$3 \times 0.4 = 1.2$
---	----------------------

D	$4 \times 0.3 = 1.2$
----------	----------------------

Q.23	What is the product ?
-------------	------------------------------

[4 Marks]

$$6.2 \times 1.5 = 9.30$$

$$\begin{array}{r} \textcircled{1} \\ \times 15 \\ \hline 310 \\ 620 + \\ \hline 930 \end{array}$$

A	930
----------	-----

B	9.30
---	------

C	93.0
---	------

D	93
---	----

Q.24 What is the product ?

[4 Marks]

$$16 \times 89 = 1,424$$

$$16 \times 8.9 = 142.4$$

A	1.424
----------	-------

B	14.24
----------	-------

C	142.4
----------	-------

D	1424
----------	------

Q.25 Find the *quotient* ?

[4 Marks]

$$16000 \div 80 = 200$$

A	2
---	---

B	20
----------	----

C	200
---	-----

D	2000
----------	------

Math Mock Exam Term – 1_2025-2026

Part – 1

Q.1 Khaled wants to buy the suitcase with the greater volume. Which suitcase should he buy? Explain and show your work [6 Marks]

$$\begin{array}{r} 22 \\ \times 14 \\ \hline 88 \\ 220 + \\ \hline 308 \end{array}$$

$$\begin{array}{r} 22 \\ \times 15 \\ \hline 110 \\ 220 + \\ \hline 330 \end{array}$$

$$\begin{array}{r} 330 \\ \times 9 \\ \hline 2970 \end{array}$$

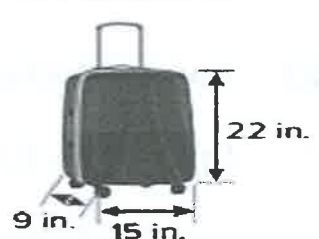
Suitcase A is greater

Suitcase A



$$\begin{aligned} V &= L \times W \times h \\ &= 22 \times 14 \times 10 \\ &= 308 \times 10 \\ &= 3080 \text{ in}^3 \end{aligned}$$

Suitcase B



$$\begin{aligned} V &= L \times W \times h \\ &= 9 \times 15 \times 22 \\ &= 9 \times 330 \\ &= 2970 \text{ in}^3 \end{aligned}$$

Q.2

(a) Write the following number in standard form and expanded form. [3 Marks]

”Ninety-three and six thousandths“

Standard form:

93.006

Expanded form:

$$\begin{aligned} 90 + 3 + 0.006 \\ 90 + 3 + \frac{6}{1000} \end{aligned}$$

b) Solve to make a true comparison

[3 Marks]

$7.790 < 8.7$

$1.021 < 1.095$

$6.55 > 5.66$

$9.9 > 0.99$

$3.41 = 3.41$

$2.563 < 2.573$

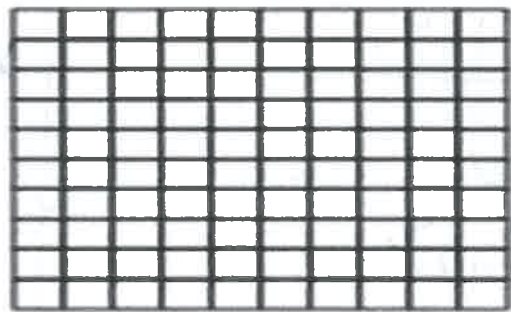
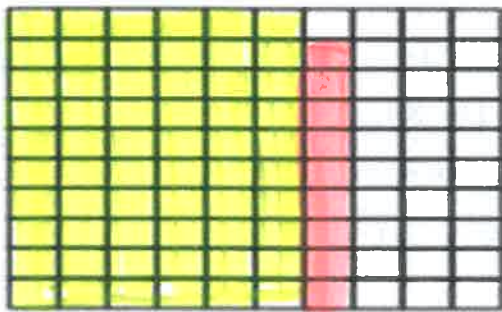
Q.3

Use the decimal grid to solve

[6 Marks]

(a) $0.6 + 0.09 =$ _____

$$\begin{array}{r} 0.60 \\ + 0.09 \\ \hline 0.69 \end{array}$$



b)

Malik has \$0.85. He bought a pencil for \$0.50. Does he have enough money left to buy a folder for \$0.30? Explain.

$$\begin{array}{r} 0.85 \\ - 0.50 \\ \hline 0.35 \end{array}$$

yes

Q.4 What is the product? Use area model.

[7 Marks]

$$218 \times 28 = 6104$$

	200	+	10	+	8	
20	4 000		200		160	
+						
8	1600		80		64	

$$\begin{array}{r}
 \textcircled{1} \quad 4 \textcircled{2} \quad 0 \quad 0 \quad 0 \\
 1 \quad 6 \quad 0 \quad 0 \\
 2 \quad 0 \quad 0 \\
 1 \quad 6 \quad 0 \\
 \quad 8 \quad 0 \\
 \quad 6 \quad 4 \quad + \\
 \hline
 6 \quad 1 \quad 0 \quad 4
 \end{array}$$

Q.5

Kara has a bag of apples. Each apple weighs 0.4 pound on average. There are 17 apples in her bag. What is the total weight of her apples?

[6 Marks]

$$\begin{aligned}
 &17 \times 0.4 \\
 &= (10 \times 0.4) + (7 \times 0.4) \\
 &= 4.0 + 2.8 \\
 &= 6.8 \text{ pound}
 \end{aligned}$$

or

$$17 \times 0.4 = 6.8 \text{ pound}$$

$$\begin{array}{r}
 \textcircled{2} \quad 17 \\
 \times 4 \\
 \hline
 68
 \end{array}$$

b) What is the quotient? Use partial quotient to solve.

$$1215 \div 27 = 45$$

$$\begin{array}{r} 27 \overline{) 1215} \\ \underline{1080} \\ 135 \\ \underline{135} \\ 000 \end{array} \quad \begin{array}{l} 40 \\ 5 \\ 45 \end{array}$$

$$\begin{array}{r} 27 \\ \times 4 \\ \hline 108 \end{array}$$

$$\begin{array}{r} 27 \\ \times 5 \\ \hline 135 \end{array}$$

$$\begin{aligned} 2 \times 1 &= 2 \\ 2 \times 2 &= 4 \\ 2 \times 3 &= 6 \\ 2 \times 4 &= 8 \\ 2 \times 5 &= 10 \\ 2 \times 6 &= 12 \\ 2 \times 7 &= 14 \\ 2 \times 8 &= 16 \\ 2 \times 9 &= 18 \\ 2 \times 10 &= 20 \end{aligned}$$

Part -2

Q.6 The amount of concrete needed to fill a patio? [4 Marks]

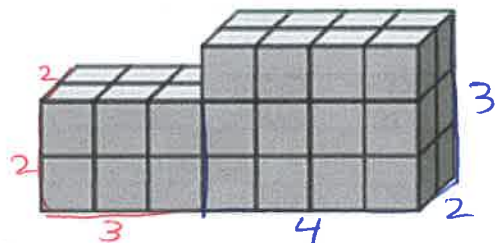
A	Area	B	Length	C	Width	D	Volume
---	------	---	--------	---	-------	---	--------

Q.7 What is the volume of the figure . [4 Marks]

$$V = L \times W \times h = 2 \times 3 \times 4 = 6 \times 4 = 24$$

$$V = L \times W \times h = 2 \times 2 \times 3 = 4 \times 3 = 12$$

$$V = 24 + 12 = 36$$



A	32 cubic in	B	36 cubic units	C	24 cubic in	D	30 cubic in
---	-------------	---	----------------	---	-------------	---	-------------

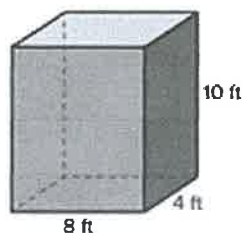
Q.8 What is the volume of the figure

[4 Marks]

$$V = L \times W \times h$$

$$= 8 \times 4 \times 10$$

$$= 32 \times 10 = 320 \text{ ft}^3$$



A	380 cubic units	B	320 cubic units	C	340 cubic units	D	300 cubic units
---	-----------------	---	-----------------	---	-----------------	---	-----------------

Q.9 Which of the following statements is true?

[4 Marks]

A	0.4 is ten times 4
B	0.04 is ten times 0.004
C	0.04 is $\frac{1}{10}$ of 0.004
D	4 is $\frac{1}{10}$ of 0.4

Q.10 Write in standard form.

$$7 + \frac{4}{10} + \frac{5}{1,000} = 7.405$$

[4 Marks]

A	7.450	B	7.045	C	7.405	D	0.745
---	-------	---	-------	---	-------	---	-------

Q.11 What is 12.7 rounded to whole number?

[4 Marks]

A	12	B	12.8	C	13	D	13.7
---	----	---	------	---	----	---	------

Q.12 What is a reasonable estimate?

[4 Marks]

$$16.28 - 5.9$$

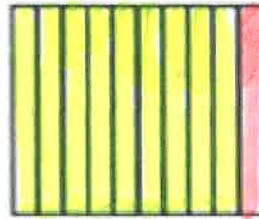
$$16 - 6 = 10$$

A	10	B	22	C	32	D	4
---	----	---	----	---	----	---	---

Q.13 What is the sum? Use the decimal grids. [4 Marks]

$$0.9 + 0.3 = \underline{1.2}$$

$$\begin{array}{r} 0.9 \\ + 0.3 \\ \hline 1.2 \end{array}$$



A 0.12

B 1.2

C 0.93

D 0.60

Q.14 Add

[4 Marks]

$$70.34 + 21.52 = \dots\dots\dots$$

$$\begin{array}{r} 70.34 \\ + 21.52 \\ \hline 91.86 \end{array}$$

A 48.82

B 91.86

C 92

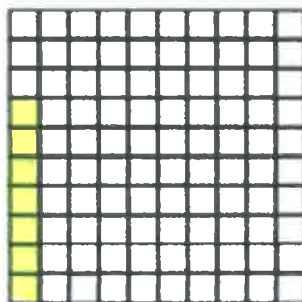
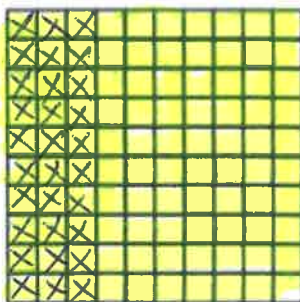
D 6.59

Q.15 What is the difference? Use the decimal grids

[4 Marks]

$$1.07 - 0.3 = \underline{0.77}$$

$$\begin{array}{r} 1.07 \\ - 0.30 \\ \hline 0.77 \end{array}$$



A 1.21

0.58

C 0.77

D 0.44

Q.16 Subtract

[4 Marks]

$$8.57 - 2.4 = \dots\dots\dots$$

$$\begin{array}{r} 8.57 \\ - 2.40 \\ \hline 6.17 \end{array}$$

A 6.40

B 10.97

C 6.17

D 5.41

Q.17	Which expression or value is equivalent to 10^6 ? [4 Marks]						
	$10 \times 10 \times 10 \times 10 \times 10 \times 10$						
A	106	B	160	C	1000000	D	1000

Q.18	What is the product of 60×10^4 ? [4 Marks]						
$60 \times 10 \times 10 \times 10 \times 10$							
A	60000	B	6000	C	600	D	600000

Q.19	Find					[4 Marks]	
	36 5 1 36 x 93 108 3240 + 3348						
A	2886	B	3456	C	3348	D	4486

Q.20	<u>estimate</u> the product						[4 Marks]
$572 \times 49 = \dots\dots\dots$ $600 \times 50 = 30\,000$							
A	3000	B	30000	C	3000	D	300

Q.21	Find the value						
$1.9 \times 10^2 = \dots\dots\dots$ $1.9 \times 10 \times 10 = 190$							
A	19	B	190	C	1900	D	19000

Q.22

Tonya cuts 0.4 meter of ribbon for each gift she wraps. She wraps 6 gifts. How much ribbon does Tonya use?

$$6 \times 0.4 = 2.4$$

[4 Marks]

A	24	B	2.4	C	0.24	D	0.20
---	----	---	-----	---	------	---	------

Q.23

What is the product ? [4 Marks]

$$1.9 \times 2.4 = 4.56$$

$$\begin{array}{r} 19 \\ \times 24 \\ \hline 76 \\ 380 \\ \hline 456 \end{array}$$

A	465	B	4.65	C	4.56	D	45.6
---	-----	---	------	---	------	---	------

Q.24

What is the product ? [4 Marks]

$$45 \times 17 = 765$$

$$45 \times 1.7 = 76.5$$

A	7.65	B	76.5	C	765	D	0.765
---	------	---	------	---	-----	---	-------

Q.25

Find the quotient ?

[4 Marks]

$$8000 \div 40 = 200$$

A	2	B	20	C	200	D	2000
---	---	---	----	---	-----	---	------