Part -1

Q.1	Which **equation** is represented by the decimal grid shown						[4 Marks]
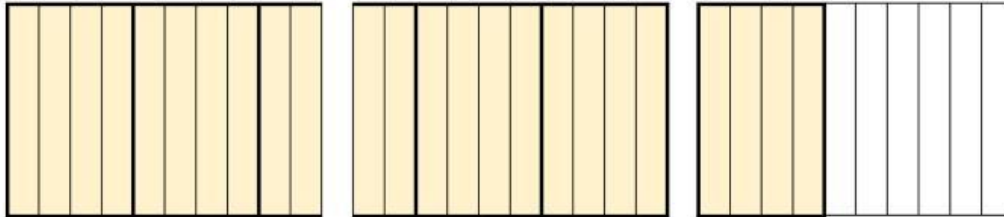
A	$24 \div 0.4 = 60$	B	$0.4 \div 2.4 = 6$	C	$2.4 \div 6 = 0.4$	D	$0.6 \div 2.4 = 4$

Q.2	What is the *quotient*?						[4 Marks]
	$0.24 \div 8 = ?$						

A	30	B	3	C	0.3	D	0.03

Q.3	Abdulla bought a watermelon that weighs 12 pounds for a picnic. He cuts it into pieces that each weigh 1.5 pounds. How many pieces of watermelon can Abdulla cut? **[4 Marks]**						

A	8	B	6	C	5	D	10

Q.4	Which **equivalent expression** uses powers of 10 to help you solve [4 Marks]						
	$52.71 \div 0.21$						

A	$5,271 \div 0.21$	B	$5,271 \div 21$	C	$52.71 \div 21$	D	$52.71 \div 2.1$

Q.5	Select the **best estimate**.						[4 Marks]
	$\dfrac{4}{7} + \dfrac{6}{11}$						

A	$\dfrac{1}{2}$	B	2	C	1	D	10

1

| Q.6 | **What equation do the fraction tiles represent?** | | | | | | | [4 Marks] |
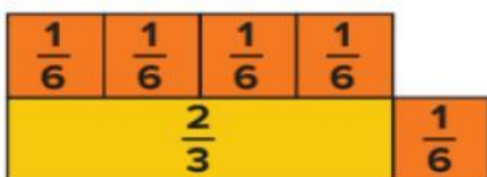
A	$\dfrac{2}{3}+\dfrac{1}{6}=\dfrac{3}{9}$	B	$\dfrac{2}{3}+\dfrac{1}{6}=\dfrac{3}{6}$	C	$\dfrac{2}{3}+\dfrac{1}{6}=\dfrac{5}{6}$	D	$\dfrac{2}{3}+\dfrac{1}{6}=\dfrac{3}{3}$

| Q.7 | **What equation do the fraction tiles represent?** | | | | | | | [4 Marks] |
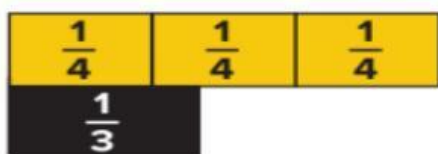
A	$\dfrac{1}{3}-\dfrac{1}{4}=\dfrac{1}{12}$	B	$\dfrac{3}{4}-\dfrac{1}{3}=\dfrac{1}{4}$	C	$\dfrac{3}{4}-\dfrac{1}{3}=\dfrac{2}{7}$	D	$\dfrac{3}{4}-\dfrac{1}{3}=\dfrac{5}{12}$

| Q.8 | **What is the difference?** | | | | | | | [4 Marks] |

$$\dfrac{5}{6}-\dfrac{1}{4}=?$$

A	$\dfrac{7}{12}$	B	$\dfrac{4}{6}$	C	$\dfrac{1}{4}$	D	$\dfrac{6}{10}$

| Q.9 | **What is the sum?** | | | | | | | [4 Marks] |

$$3\dfrac{3}{10}+4\dfrac{2}{5}=?$$

A	$7\dfrac{5}{10}$	B	$7\dfrac{7}{10}$	C	$8\dfrac{7}{10}$	D	$8\dfrac{5}{10}$

Q.10	What is the *difference*?							[4 Marks]

$$6\frac{7}{8} - 5\frac{5}{6} = ?$$

A	$1\frac{1}{24}$	B	$1\frac{5}{24}$	C	$1\frac{4}{24}$	D	$1\frac{2}{24}$

Q.11	What is the *difference*?							[4 Marks]

$$5\frac{2}{5} - 3\frac{2}{3} = ?$$

A	$2\frac{11}{15}$	B	$1\frac{1}{5}$	C	$2\frac{3}{5}$	D	$1\frac{11}{15}$

Q.12	Which multiplication is shown by the model?							[4 Marks]
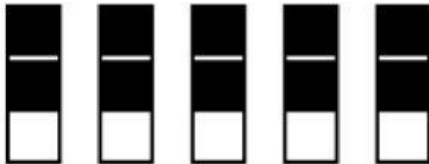
A	$\frac{2}{3} \times 5 = \frac{10}{15}$	B	$\frac{2}{5} \times 3 = \frac{6}{5}$	C	$\frac{2}{3} \times 5 = \frac{10}{3}$	D	$\frac{2}{5} \times 3 = \frac{6}{15}$

Q.13	A bottle of water holds $\frac{2}{12}$ gallon. How much water is in this package of water bottles? [4 Marks]

18 bottles

A	$\frac{10}{12}$ gallons	B	3 gallons	C	$\frac{20}{12}$ gallons	D	6 gallons

Q.14	What is the **area** of the shaded rectangle?						**[4 Marks]**
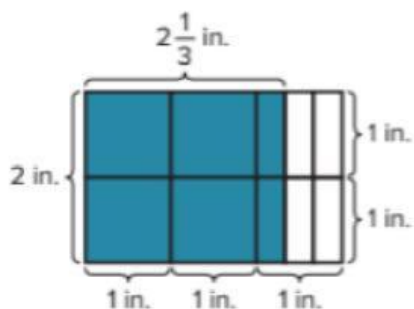
A	$4\frac{2}{6}$ square in	B	$4\frac{1}{6}$ square in	C	$4\frac{1}{3}$ square in	D	$4\frac{2}{3}$ square in

Q.15	What is the **area** of the given rectangle?						**[4 Marks]**

$$1\frac{1}{2}$$

$$1\frac{1}{3}$$
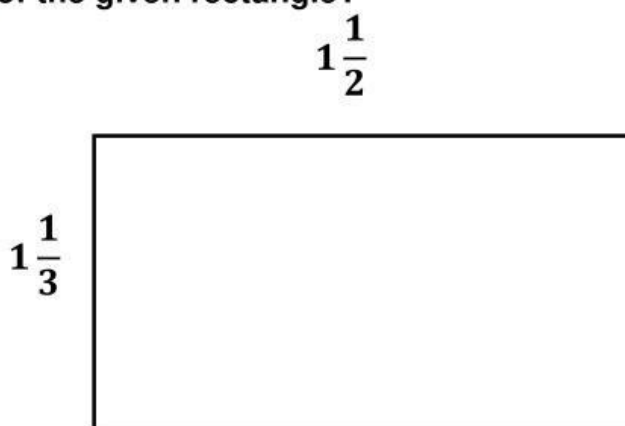
A	$3\frac{1}{2}$ square unit	B	$2\frac{1}{3}$ square unit	C	$1\frac{1}{6}$ square unit	D	2 square unit

Part – 2

Q.16 *(a) Use a pattern to find the quotients?*   **[5 Marks]**

    i. $32.8 \div 100 = $ _____

    ii. $32.8 \div 10 = $ _____

    iii. $32.8 \div 1 = $ _____

    iv. $32.8 \div 0.1 = $ _____

    v. $32.8 \div 0.01 = $ _____

(b) Mohammed walked 567.3 miles in 100 days. Ali walked 567.3 miles by walking 0.1 miles each day. Who walked for more days? Who walked farther each day? Explain   **[6 Marks]**
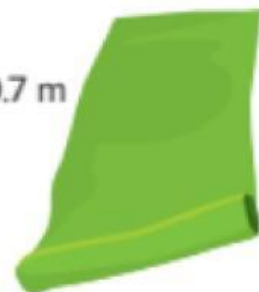

Q.17 A theatre teacher is making costumes for the spring musical. Each costume uses 0.5 meter of this fabric.
About how many costumes can the teacher make using all the fabric?
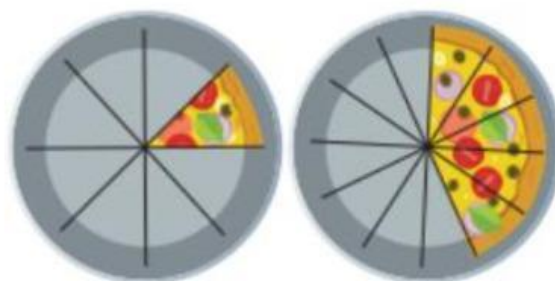   **[6 Marks]**

29.7 m

Q.18 (a) Ravi estimates that he needs $1\frac{1}{2}$ *gallons* of paint. He has two cans of paint with the amount of paint shown.
Does Ravi have enough paint? **[3 Marks]**

$\frac{2}{3}$ gal $\frac{7}{8}$ gal

(b) A club ordered two same - sized vegetable pizzas cut into different number of pieces. What fraction of the whole pizza is left? **[4 Marks]**
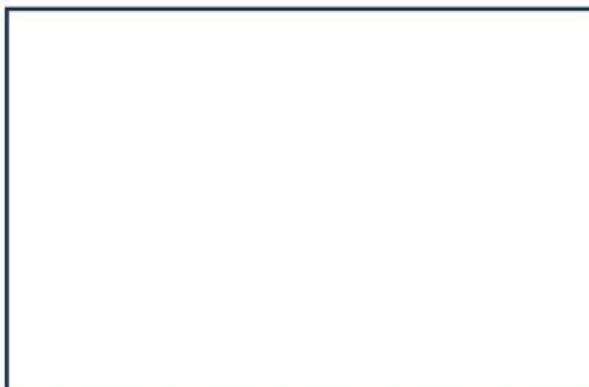
Q.19 Khaled walks $2\frac{7}{8}$ miles on Monday. On Tuesday, he walks $1\frac{2}{3}$ miles. How many miles does Khaled walk on Monday and Tuesday? **[6 Marks]**

Q.20	(a)What is the *product*? *Use a representation to solve.*.

$$\frac{5}{6} \times \frac{3}{5} = ?$$

(b) Hamed thinks that the product of $\frac{7}{8} \times \frac{3}{10}$ is greater than the product of $\frac{3}{8} \times \frac{7}{10}$. How do you respond to Hamed's thinking?   **[4 Marks]**

THE END