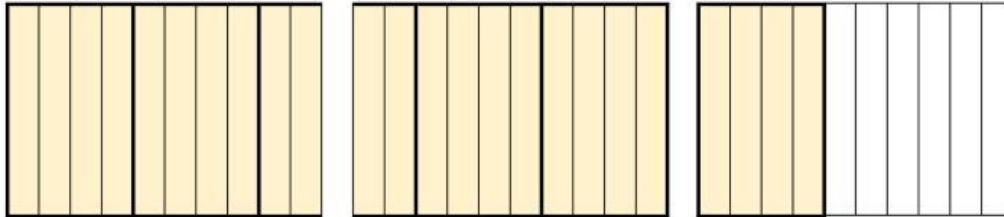


Part -1

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** $52.71 \div 2.1$

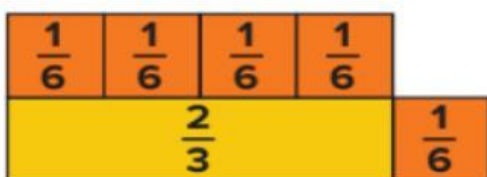
Q.5 Select the **best estimate**. **[4 Marks]**

$$\frac{4}{7} + \frac{6}{11}$$

A $\frac{1}{2}$ **B** 2 **C** 1 **D** 10

Q.6 What **equation** do the fraction tiles represent?

[4 Marks]



A

$$\frac{2}{3} + \frac{1}{6} = \frac{3}{9}$$

B

$$\frac{2}{3} + \frac{1}{6} = \frac{3}{6}$$

C

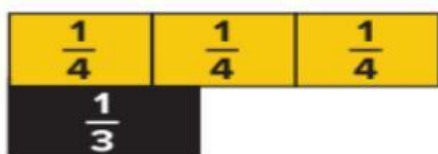
$$\frac{2}{3} + \frac{1}{6} = \frac{5}{6}$$

D

$$\frac{2}{3} + \frac{1}{6} = \frac{3}{3}$$

Q.7 What **equation** do the fraction tiles represent?

[4 Marks]



A

$$\frac{1}{3} - \frac{1}{4} = \frac{1}{12}$$

B

$$\frac{3}{4} - \frac{1}{3} = \frac{1}{4}$$

C

$$\frac{3}{4} - \frac{1}{3} = \frac{2}{7}$$

D

$$\frac{3}{4} - \frac{1}{3} = \frac{5}{12}$$

Q.8 What is the **difference**?

[4 Marks]

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

A

$$\frac{7}{12}$$

B

$$\frac{4}{6}$$

C

$$\frac{1}{4}$$

D

$$\frac{6}{10}$$

Q.9 What is the **sum**?

[4 Marks]

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

A

$$7\frac{5}{10}$$

B

$$7\frac{7}{10}$$

C

$$8\frac{7}{10}$$

D

$$8\frac{5}{10}$$

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

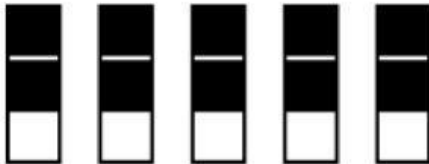
$$2\frac{3}{5}$$

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]



A

$$\frac{10}{12} \text{ gallons}$$

B

$$3 \text{ gallons}$$

C

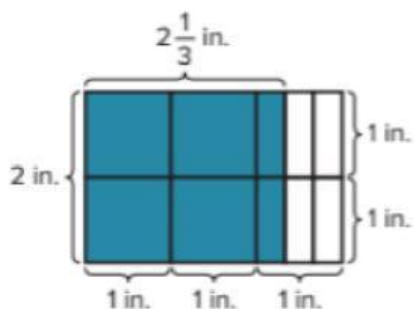
$$\frac{20}{12} \text{ gallons}$$

D

$$6 \text{ gallons}$$

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

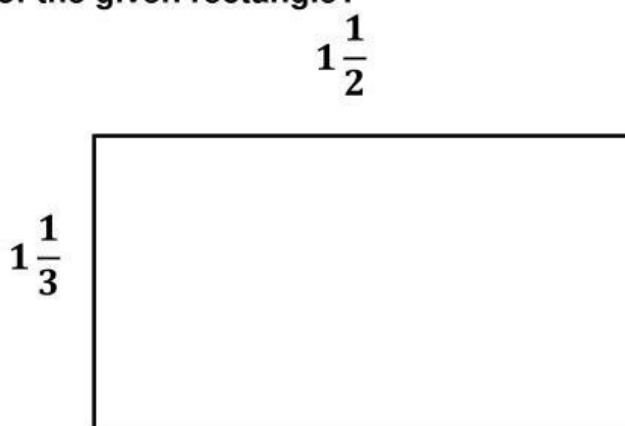
$4\frac{1}{3}$ square in

D

$4\frac{2}{3}$ square in

Q.15 What is the **area** of the given rectangle?

[4 Marks]



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

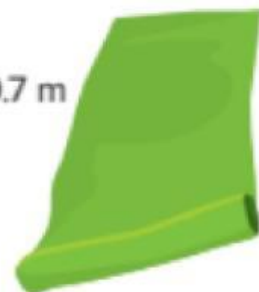
[6 Marks]

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

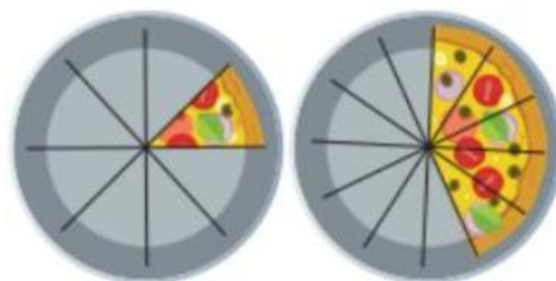
(a) Ravi estimates that he needs $1\frac{1}{2}$ gallons of paint. He has two cans of paint with the amount of paint shown. Does Ravi have enough paint?

[3 Marks]



(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..*

[6 Marks]

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



(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