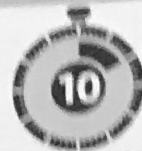


Test 10

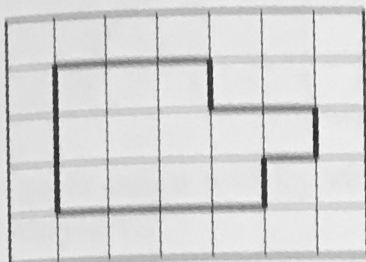
You have 10 minutes to complete this test.

You have 10 questions to complete within the given time.



Circle the letter next to the correct answer.

- 1 The shape below is drawn on a grid formed of identical squares. The perimeter of the shape is 56 cm.



What is the side length of each of the squares that forms the grid?

| A | B | C | D | E |
|------|-------|-------|--------|--------|
| 3 cm | 15 cm | 10 cm | 2.5 cm | 3.5 cm |

- 2 The square of number a is the cube of number b .

What are the values of a and b ?

| A | B | C | D | E |
|----------------|----------------|----------------|----------------|----------------|
| $a = 4, b = 2$ | $a = 8, b = 4$ | $a = 2, b = 4$ | $a = 3, b = 9$ | $a = 9, b = 3$ |

- 3 The table below shows the number of flights that departed late from Bain Airport over 5 months.

| March | April | May | June | July |
|-------|-------|-----|------|------|
| 12 | 10 | 11 | 9 | ? |

If the mean number of flights per month that departed late is 15, how many flights departed late in July?

| A | B | C | D | E |
|----|----|----|----|---|
| 29 | 15 | 18 | 33 | 8 |

Questions continue on next page

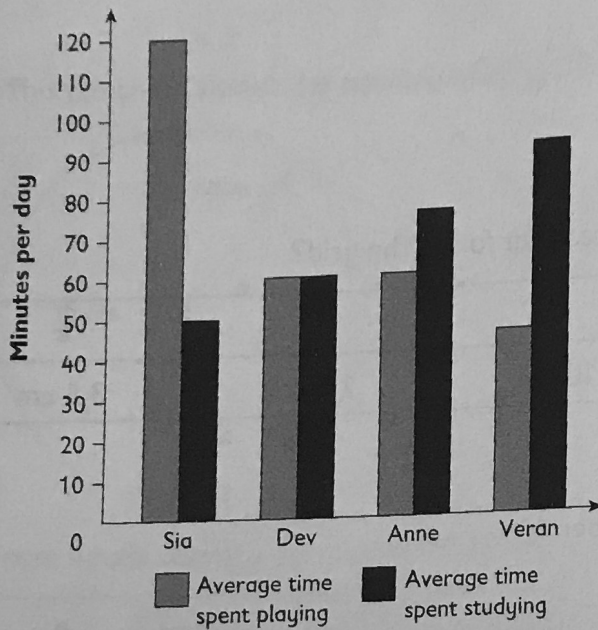
4 Which of the following has the same value as 0.03×8 ?

| A | B | C | D | E |
|-------------------|----------------|------------------|----------------|-----------------|
| 0.3×0.08 | 3×0.8 | 0.3×0.8 | 3×800 | 33×0.8 |

5 Round 124798 to the nearest thousand.

| A | B | C | D | E |
|--------|--------|--------|--------|--------|
| 124000 | 124700 | 124800 | 125000 | 130000 |

6 This graph shows the time spent by 4 children on 2 activities.



Who spends twice as much time studying as they do playing?

| | |
|---|-------------------|
| A | Veran |
| B | Dev |
| C | Anne |
| D | Sia |
| E | None of the above |

7 A train carriage has 65 seats. A train has 6 carriages.

If 4 more carriages are added to the train, how many seats are there in total?

| A | B | C | D | E |
|-----|-----|-----|-----|-----|
| 390 | 260 | 650 | 712 | 545 |

- 8 This graph shows the conversion between 2 units of weight.



Leon's weight is 45 kg. What is the ratio of Leon's weight in pounds to his weight in kilograms?

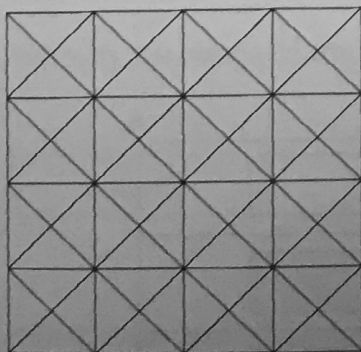
| A | B | C | D | E |
|------|------|-------|------|------|
| 9:20 | 20:1 | 11:20 | 20:5 | 20:9 |

- 9 $32.7 - 14.98 = x$

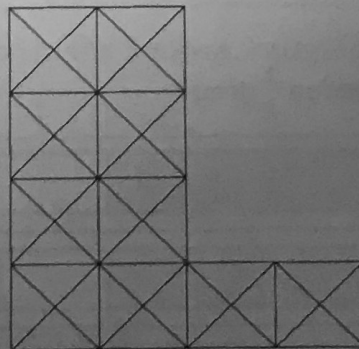
What is the value of x ?

| A | B | C | D | E |
|-------|-------|-------|-------|-------|
| 17.27 | 17.72 | 16.09 | 17.07 | 17.75 |

- 10 Shape A and Shape B are both made from identical triangular tiles.



Shape A



Shape B

What fraction of Shape A is Shape B?

| A | B | C | D | E |
|---------------|---------------|---------------|---------------|---------------|
| $\frac{5}{8}$ | $\frac{3}{8}$ | $\frac{1}{5}$ | $\frac{6}{9}$ | $\frac{2}{3}$ |

Score: / 10