# N15 Adding and Subtracting with Negatives

# OCR

4 **(a)** Fill in each missing number.

      **(i)** $24 - \text{.................} = 36$                               **[1]**

      **(ii)** $\sqrt{\text{...........................}} = 16$                      **[1]**

**(b)** The length of a line is 10.4 cm, correct to 1 decimal place.

Write down the shortest possible length of the line.

                                                     **(b)** ................................................... cm **[1]**

4   (a)  Fill in each missing number.

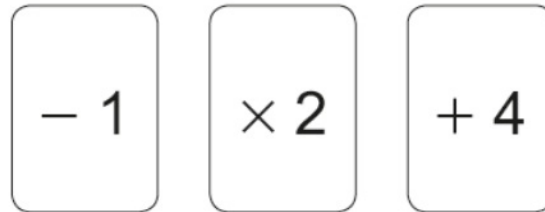(i)   $24 - $ ......—12...... $ = 36$   [1]

$24 + 12 = 36$

$\sqrt{?} = 16 \quad \cdots \quad 16^2$

(ii)   $\sqrt{\phantom{..}256\phantom{..}} = 16$   [1]

(b)  The length of a line is 10.4 cm, correct to 1 decimal place.

Write down the shortest possible length of the line.

longest  10.45

$10.4$

Smallest  10.35

10·35    10·45

10·3        10·4        10·5

≤           <
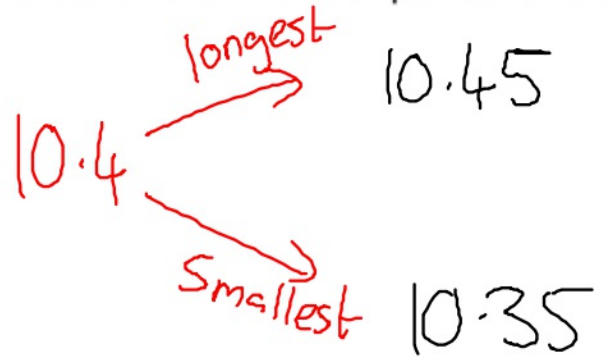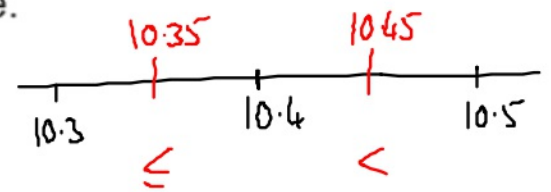
(b)   ....................10·35.................... cm [1]

**(b)** A counter has 3 on one side and 5 on the other.
Lena flips the counter.

NIS/16 She then picks one of these three cards at random.

| $- 1$ | $\times 2$ | $+ 4$ |

Lena puts the card next to the counter and works out the answer.

For example ⑤ $\times 2$ gives the answer 10.

Find the probability that Lena gets an answer **less than 8**.
You must show your working.

**(b)** A counter has ③ on one side and 5 on the other.
Lena flips the counter.

**N15/16** She then picks one of these three cards at random.

| $-1$ | $\times 2$ | $+4$ |

Lena puts the card next to the counter and works out the answer.

For example $\left(5\right)$ $\boxed{\times 2}$ gives the answer 10.

Find the probability that Lena gets an answer **less than 8**.
You must show your working.

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

$\left(5\right)\boxed{-1} = 4 \checkmark$

$\left(S\right)\boxed{\times 2} = 10$

$\left(5\right)\left(+4\right) = 9$

$\left(3\right)\boxed{-1} = 2\checkmark$

$\left(3\right)\boxed{\times 2} = 6\checkmark$

$\left(3\right)\left(+4\right) = 7\checkmark$

# Edexcel

AQA

**4**    Circle the number that is 7 less than −12

**[1 mark]**

N15

−19            −5            5            19

4   Circle the number that is 7 less than −12

**[1 mark]**

N15

−19          −5          5          19

**2**     Circle the number that is 5 **less** than –2

**[1 mark]**

N15

         –10          –7          –3          3

**2**      Circle the number that is 5 **less** than −2

**[1 mark]**

N15

−10         $\boxed{-7}$         −3         3

−5

−2

−7

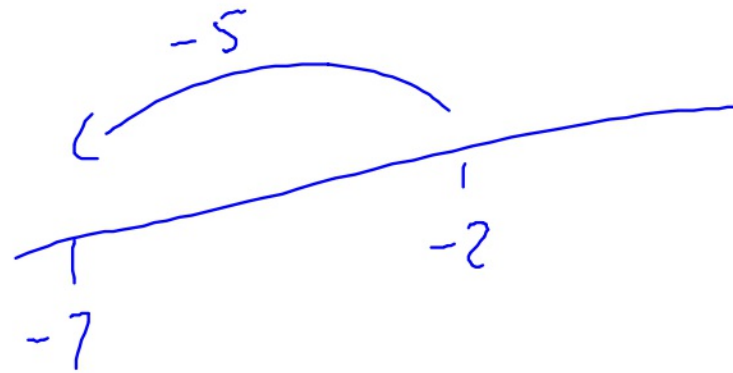1        Work out     (−3) + (−8)

         Circle your answer.

                                                                                    **[1 mark]**

N15

                        −5                    5                    −11                    11

**1**  Work out  (−3) + (−8)

Circle your answer.

**[1 mark]**

<span style="color:red">N15</span>

−5          5          (−11)          11

$-3 + -8$

$-3 - 8$