

1. (1) 21
(2) 9 and 3
(3) 3
(4) No
(5) i. $2 \times 2 \times 2 \times 2$
ii. 2×5
iii. No
iv. $2 \times 2 \times 2 \times 2 \times 2 \times 5$
(6) $-\frac{5}{14}$
(7) $\frac{1}{2}$
(8) $-\frac{1}{8}$
(9) $-4\frac{1}{15}$
(10) $-1\frac{17}{35}$
(11) -1
(12) 30 seconds
2. (1) -28
(2) 5 and 20
(3) 1
(4) Yes
(5) i. $2 \times 2 \times 17$
ii. $2 \times 5 \times 7$
iii. No
iv. $2 \times 2 \times 17 \times 2 \times 5 \times 7$
(6) $\frac{1}{70}$
(7) $-2\frac{1}{10}$
(8) $-6\frac{17}{30}$
(9) $3\frac{1}{30}$
(10) $\frac{4}{49}$
(11) 25
(12) 60 seconds
3. (1) 73
(2) 36 and 66
(3) 2
(4) No

- (5) i. $2 \times 3 \times 5$
ii. 3×7
iii. No
iv. $2 \times 3 \times 5 \times 3 \times 7$

(6) 0

(7) $\frac{13}{18}$

(8) $\frac{28}{51}$

(9) $1\frac{1}{10}$

(10) $-\frac{13}{48}$

(11) -27

(12) 30 seconds

4. (1) 48.7

(2) 40 and 30

(3) 2

(4) No

(5) i. $2 \times 2 \times 13$

ii. $2 \times 2 \times 5 \times 5$

iii. No

iv. $2 \times 2 \times 13 \times 2 \times 2 \times 5 \times 5$

(6) $1\frac{31}{60}$

(7) $-\frac{5}{18}$

(8) $-5\frac{13}{22}$

(9) $-\frac{1}{2}$

(10) $5\frac{4}{11}$

(11) -1

(12) 20 seconds

5. (1) -3

(2) 144 and 4

(3) 1

(4) No

(5) i. $2 \times 2 \times 19$

ii. 7×11

iii. Yes

iv. $2 \times 2 \times 19 \times 7 \times 11$

(6) $-5\frac{3}{5}$

(7) $1\frac{3}{4}$

(8) $5\frac{1}{4}$

(9) $1\frac{41}{60}$

(10) $\frac{21}{50}$

(11) -4

(12) 30 seconds