

Core skills worksheet
Non-calculator arithmetic
ANSWERS

National 5 Maths

Maths.scot



1. Adding and subtracting positive whole numbers.

(a) 26

(b) 44

(c) 53

(d) 52

(e) 104

(f) 81

(g) 49

(h) 164

(i) 18

(j) 108

(k) 81

(l) 64

(m) 13

(n) 38

(o) 1600

(p) 33

(q) 49

(r) 88

(s) 1921

(t) 267

(u) 53

(v) 19

(w) 680

(x) 195

2. Multiplying and dividing positive whole numbers.

(a) 34

(b) 128

(c) 294

(d) 370

(e) 860

(f) 600

(g) 12 000

(h) 98 000

(i) 16

(j) 6.5

(k) 39.5

(l) 25

(m) 10.6

(n) 72

(o) 3.4

(p) 12

(q) 11.5

(r) 2

(s) 2

(t) 4

(u) 20

(v) 300

(w) 1500

(x) 80 000

3. Adding and subtracting with negative numbers.

(a) -5

(b) -13

(c) 4

(d) 3

(e) 19

(f) 125

(g) 12 500

(h) -13

(i) -4

(j) -13

(k) -24

(l) -5

(m) -9

(n) -38

(o) -29

(p) 1

4. Multiplying and dividing with negative numbers.

(a) -15

(b) -40

(c) 28

(d) 324

(e) -3

(f) -3

(g) -5

(h) -2

(i) -1

(j) -2

(k) 5

(l) 5

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5. Decimal number arithmetic.

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|-----------|-----------|----------|-----------|
| (a) 28.05 | (b) 6.64 | (c) 15.2 | (d) 22.5 |
| (e) 30.5 | (f) 28.8 | (g) 13 | (h) 157 |
| (i) 125.6 | (j) 1884 | (k) 6280 | (l) 316.5 |
| (m) 2.25 | (n) 15.25 | (o) 4.45 | (p) 2.3 |
| (q) 4 | (r) 8 | (s) 10 | (t) 5 |

6. Powers and roots.

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|---------|----------|---------|---------|
| (a) 9 | (b) 49 | (c) 225 | (d) 400 |
| (e) 900 | (f) 2500 | (g) 64 | (h) 125 |
| (i) -27 | (j) 16 | (k) 16 | (l) 32 |
| (m) 7 | (n) 9 | (o) 12 | (p) 30 |
| (q) 40 | (r) 2 | (s) 3 | (t) 4 |

7. Simplifying fractions.

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|---------------------------------------|--------------------|--------------------|-------------------------------------|
| (a) $\frac{11}{14}$ | (b) $\frac{1}{2}$ | (c) $\frac{1}{13}$ | (d) $\frac{3}{2}$ or $1\frac{1}{2}$ |
| (e) $\frac{23}{2}$ or $11\frac{1}{2}$ | (f) $\frac{1}{20}$ | (g) $\frac{1}{8}$ | (h) $\frac{2}{3}$ |
| (i) $\frac{1}{6}$ | (j) $\frac{1}{5}$ | (k) 50 | (l) $\frac{1}{24}$ |

8. Multiplying whole numbers by fractions.

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|--------|---|--------|--------|
| (a) 12 | (b) $\frac{15}{2}$ or $7\frac{1}{2}$ or 7.5 | (c) 36 | (d) 40 |
| (e) 50 | (f) 32 | (g) 12 | (h) 30 |
| (i) 12 | (j) 2000 | (k) 18 | (l) 30 |