Core skills worksheet

Non-calculator arithmetic ANSWERS

National 5 Maths

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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.

(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.

(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.

(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.

(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

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