

Student Name: _____

Date: _____

NS4.1

1. Express 1800 as a product of its prime factors.

2. Estimate the value of

$$\sqrt{13}$$

to the nearest whole number.

3. Find the first fibonacci number greater than 27.

4. Evaluate $249 \div 37$

Give the remainder as a fraction in its simplest form.

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	/	

NS4.2

5. $-18 + (-7) - (-15) =$

6. $-6 \times (-2) \div 2 =$

NS4.3

7. Find the HCF of 28 and 18.

8. Find the LCM of 9 and 12.

9. $3 \frac{1}{5} - 1 \frac{1}{2}$

10. $5 \frac{3}{4} \times 1 \frac{5}{6}$

11.

$$3 \frac{1}{4} \div 1 \frac{3}{5}$$

12.

Lemons costs \$6.45 /kg. How much would 4.6 kg cost (to the nearest cent)?

13.

$$905 \div 0.05 =$$

14.

Write $\frac{1}{6}$ as a percentage.

Give your answer to the nearest percentage if necessary.

15.

Write 2.116 as a percentage (to the nearest whole percent).

16.

Find $\frac{8}{9}$ of \$450.

17.

Increase \$750 by 1%.

18.

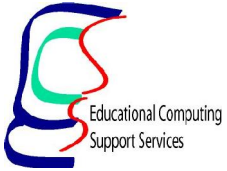
Write the ratio 0.5 : 1 in the simplest form.

19.

Hale and Pace divide \$540 in the ratio 1:8. How much does Pace receive?

20.

Find the average speed in km/h when 30 km is travelled in 10 minutes.



NUMBER SKILLS
Stage 4 - Diagnostic Test Answers

Student Name:

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Answers

1. $2^3 \times 3^2 \times 5^2$

11. $2\frac{1}{32}$

2. 4

12. \$29.67

3. 34

13. 18 100

4. $6\frac{27}{37}$

14. 17%

5. -10

15. 212%

6. 6

16. \$400

7. 2

17. \$757.50

8. 36

18. 1 : 2

9. $1\frac{7}{10}$

19. \$480

10. $10\frac{13}{24}$

20. 180 km/hr