Mathematics | Grade 8

I Gade 8, c a e df c eec caaea: (1) f a g a dea gab e a a de a , c d g de ga a ca b a a e da a e a e a , a d g e a e a a d e f e a e a ; (2) g a g e c ce f a f c a d g f c de c be a a e e a a (3) a a g - a d e e d e a a ce a d g e g d a ce, a g e, a , a d c g e ce, a d de a d g a d a g e P ag e a T e e .

(1) S de e ea e a a d e f ea e a e e e, a a e, a d e a a e f be .S de ecg ee a f (y/x = m y = mx) a c a ea e a (y = mx + b), de a d g a ec a f a a (m) e e, a d ega a e e g e g .T e de a d a e (m) fa e a c a a e f c a ge, a f e x-c d a ec a ge b a a A, e y-c d a ec a ge b ea m-A.S de a ea ea e a de c be ea ca be ee a e b a a eda a (c a a e f c a g f de a ca).A g a de, g e de, a da e g e da a a e f a .I e e g e de e c e f eda a e e de e e a ea ea ee e a e e a d e e c e f e ea e ca e f e ea e a a dy- ece e f e a .

S de aegca c ea defice de cede e ea e a ea abe, de ad g a e e e e de de f e a ad ec cedifigcae ae ce, e a a e f e g a e a .S de e e f ea e a a abe a deae e e difie e de eige e ec, ae da e, ae e a e e.S de e ea e a , e f ea e a , ea f c , ad e de ad g f de fa e a a e a ad e de e e e a e a de e e ea e a , e f ea e a e e

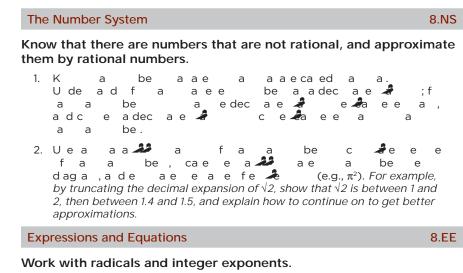
(2) S de ga dec cedifaf ca a ea a geac de ace ea. Te de adaf c de che a ee e a de ea e. Te ca a aea gede ea adda ede a ff c (ga abaadgad ca ede ea a bed a ede ea), ad e de che a dc fef ca e e ec ed ed ffee ede a .

The Number System

• Know that there are numbers that are not rational, and approximate them by rational numbers.

Expressions and Equations

- Work with radicals and integer exponents.
- Understand the connections between proportional relationships, lines, and linear equations.
- A number**5**



- 3. Dec be eeffec fda , a a , a , a de ec -d e a, g e gc dae.
- 4. U de ad a a -d e a g e a a e f e ec d ca be ba edf e. ba e e ce f a , e ec , a a , a d d a ; g e a d e a g e, dec bea e e ce a e b e a be ee e.
- 5. Ue f a ag e e ab fac ab e ag e a d e e ag e f ag e, ab e ag e c e a e e a e c b a a e a, a d e ag e-ag e c e f a f ag e. For example, arrange three copies of the same triangle so that the sum of the three angles appears to form a line, and give an argument in terms of transversals why this is so.

Understand and apply the Pythagorean Theorem.

- 6. E 🎝 a 🎜 ffeP agea Tee ad cee.
- 7. A 🏜 eP ag ea Tee dee e dee g g age ea-dad ae aca 🎜 be ad eed e .
- 8. A 🏕 eP ag ea Tee . deda cebe ee ac dae e.

Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres.